

## ABSTRACT

Methods of diagnosing an abnormality in endometrial glandular development in a woman suspected of being infertile are disclosed. Methods of predicting abnormal endometrial glandular development are also disclosed. In addition, methods of assessing the suitability of the endometrium for embryo implantation in a woman undergoing ovulation induction are disclosed. Further, methods of evaluating the effect of a hormonal protocol on endometrial glandular development in a woman undergoing a hormonal protocol to produce a mock cycle are disclosed. Methods of evaluating a hormone replacement therapy protocol in a woman undergoing hormone replacement therapy are disclosed. Further, methods of diagnosing endometrial glandular mitotic arrest in a woman suspected of having endometrial hyperplasia are disclosed.